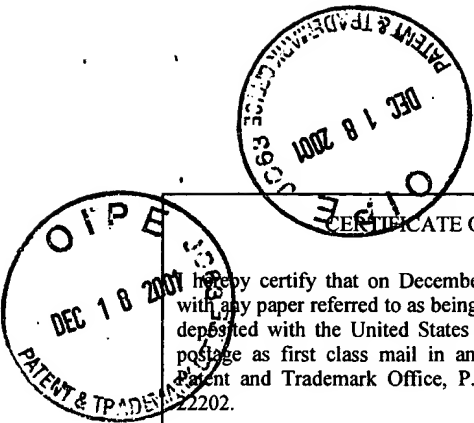


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I hereby certify that on December 10, 2001, this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202.

*Trudi Thompson*  
Trudi Thompson

Applicant: **Brown**  
Serial No.: **09/246,603**  
Filed: **2/8/99**  
Title: **SYSTEM FOR LOCATING  
INFLAMED PLAQUE IN A  
VESSEL**  
Examiner: **B. Casler**  
Group Art Unit: **3737**  
Atty Docket No.: **21120-202**

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U.S. Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202

Dear Sir:

Applicant submits the following Remarks in Response to the Final Office Action dated October 9, 2001 in the above referenced Patent Application.

**REMARKS**

In the present application, claims 1-29 are pending. The Examiner has rejected claims 1-29.

**Rejections Based on Double Patenting**

The Examiner rejected claims 1-5, 7-12, 14-19, 21-26, 28 and 29 under the doctrine of obviousness-type double patenting, in light of claims 1-22 of U.S. Patent No. 5,871,449. The applicant is in the process of recording a patent assignment with the United States Patent and Trademark Office. Upon completion of the recordation process, the assignee will execute a terminal disclaimer which will disclaim the terminal part of any patent granted on the above-captioned application, which would extend beyond the expiration date of the full statutory period of U.S. Patent No. 5,871,449. The filing of the terminal disclaimer will thereby obviate the double patenting rejection.